GENERAL NOTES

- 1. CONCRETE SHALL HAVE 4,000 PSI COMPRESSIVE STRENGTH AT 28 DAYS. UNLESS OTHERWISE NOTED (U.O.N.)
- 2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS, AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 60.000 PSI GRADE 60. AND MEET ASTM A-615 SPECS.
- 3. ALL STRUCTURAL STEEL SHALL HAVE A MINIMUM YIELD STRENGTH OF 36.000 PSI. AND MEET ASTM A-36 SPECS.

FOUNDATIONS

"SOIL STATEMENT"

- 1. INSPECTION OF THE SITE INDICATES UNDISTURBED SAND (OR SAND ROCK) WITH A BEARING CAPACITY OF 2,000 PSF. SHOULD OTHER CONDITIONS BE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE PROCEEDING WITH THE WORK.
- 2. CENTERLINE OF FOOTING IS CENTERLINE OF COLUMNS AND BEARING WALLS. (U.O.N.).
- 3. ELEVATION OF TOP OF FOOTING SHALL BE 1'- O' BELOW THE FINISHED GRADE. (U.O.N.)
- 4. PROVIDE BEND DOWELS AT ALL COLUMNS AND VERTICAL REINFORCEMENT SAME SIZE AND QUANTITY AS REINFORCEMENT.

REINFORCING

- I. MINIMUM CLEAR COVER FOR REBARS TO BE AS FOLLOWS BEAMS - 1-1/2' TO TIE COLUMNS - 1-1/2" TO TIE FOOTINGS -3" SLAB ON FILL - 2" FROM TOP SLABS - 3/4" PEDESTAL -2' TO TIE
- 2. ALL REINFORCING SHALL BE HELD SECURELY IN POSITION WITH STANDARD ACCESSORIES.
- 3. SPLICES IN CONTINUOS TOP REBARS SHALL BE MADE AT MIDSPAN, SPLICES IN CONTINUOS BOTTOM REBARS SHALL BE OVER SUPPORT(S).
- 4. SPLICES IN REINFORCING, WHERE PERMITTED, SHALL BE AS FOLLOWS: TEMPERATURE REBARS - 12" MIN. COLUMN VERT. BARG- 30 BAR DIA. WELDED WIRE MESH - 6" FOOTING DOWELS- 30 BAR DIA. + 8" ALL OTHERS - 30 BAR DIA TENSION SPLICE - CLASS "C"
- 5. PROVIDE 2 NØ 5 36" LONG BEND BARS AT CORNERS OF BEAMS.

SLAB-ON-FILL

- 1. FILL MATERIAL SHALL BE CLEAN SAND AND ROCK COMPACTED TO 92% OF MAXIMUM DENSITY IN LIFTS NOT TO EXCEED 12" IN DEPTH.
- 2. PLACE CONCRETE SLABS-ON-FILL IN A CHECKERBOARD PATTERN, NO PANEL EXCEEDING 25 FEET OF LENGTH, OR 625 SF IN AREA, OR USE CONTROL JOINTS.
- 3. ELEVATION TOP OF CONCRETE SLAB SHOWN THUS: +OR MATCH EXISTING ADJACENT FLOOR ELEVATION.
- 4. WALLS, COLUMNS, AND BEAMS, PENETRATING SLAB ON FILL, SHALL BE ISOLATED BY 1/2" PREMOLDED JOINT FILLER. (U. Ø. N.).
- 5. SLABS-ON-FILL SHALL BE PLACED OVER I LAYER OF PLASTIC MEMBRANE, SUCH AS 6 MIL VISQUEEN OR SIMILAR.
- 6. SLABS ON FILL SHALL BE CURED CONTINUOSLY FOR 5 DAYS.

STRUCTURAL DESIGN CRITERIA:

- 1. THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE FBC AND ALL LATEST EDITION AT THE TIME OF PERMIT.
- 2. HANDRAILS AND STAIR RAILINGS TO COMPLY TO FBC 1204.2 AND 1113.5

3. LINTELS:

- A. THE CONTRACTOR SHALL PROVIDE PRECAST CONCRETE LINTELS AT THE HEADS OF ALL OPENINGS IN MASONRY WALLS NOT EXCEEDING 8'-0" IN WIDTH WHERE BEAMS HAVE BEEN SPECIFIED.
- B. LINTEL MAY BE INTEGRAL WITH THE TIE BEAM OR THE STRUCTURE WHEN THE HEAD OF THE OPENING IS 16" OR LESS BELOW. CONTINUE BEAM BOTTOM REBARS THROUGH AND ADD 2#5's BOTTOM TRUSS BARS AT DROPS AND 2 #3 STIRRUPS AT 6" O.C. AT EACH
- C. MINIMUM BEARING FOR ALL LINTELS TO BE 8" ON EACH SIDE OR PROVIDE DOWELS AND POCKETS IN ADJACENT CONCRETE COLUMNS.
- D. LINTEL TO BE A MINIMUM OF 8" DEEP WITH 2 *4 TOP AND BOTTOM FOR CLEAR SPANS LESS THAN 6'-0", 12" DEEP W/2 #5's TOP & BOTTOM AND 2 #3 STIRRUPS @ 6" O.C. AT EACH FOR SPANS GREATER THAN 12'-0".

RAILINGS

RAILINGS SHALL BE DESIGNED TO RESIST A LOAD OF 50 POUNDS PER LINEAR FOOT APPLIED IN ANY DIRECTION AT THE TOP. RAILINGS AS PER FBC. PICKETS AT 4" O.C.

STAIRS

1. STAIRS SHALL BE CONSTRUCTED WITH ADEQUATE STRUCTURAL MEMBER AND FASTENERS TO SUPPORT APPLICABLE LOADS. RISERS SHALL NOT EXCEED 1-1/2" AND TREADS SHALL NOT BE LESS THAN 10". THE SUM OF TWO RISERS AND ONE TREAD SHALL BE NOT LESS THAN 24" AND NOT MORE THAN 25". RAILINGS SHALL BE PROVIDED ON BOTH SIDES AT A HEIGHT OF 36" AND NOT MORE THAN 42" FROM LINE OF NOSING TO TOP OF RAIL. ALL EXTERIOR STAIRS OR STEPS SHALL BE FINISHED WITH A NON SLIP MATERIAL.

FLORIDA BUILDING CODE SIXTH EDITION, 2017 BUILDING DESIGN 'ENCLOSED' WIND EXPOSURE CLASSIFICATION 'D' WIND SPEED DESIGN- 180 MPH ULTIMATE/139.4 MPH MIN SOIL BEARING PRESSURE-2500PSF INTERNAL PRESSURE COEFFICIENT-0.18 IMPORTANCE FACTOR-I.O CATEGORY I MEAN ROOF HEIGHT - 25'-0", a= 4'-0" SUPERIMPOSED DEAD LOADS: ROOF TRUSS T.C. TRUSS B.C. FLOOR 25PSF BALCONIES IOPSF BALCONIES IOPSF SUPERIMPOSED LIVE LOADS:

ROOF 30PSF

SITE CRITERIA NET LOT AREA A/C AREA ROOF/SLAB PARKING(GRAVEL) FLOODZONE

TOP OF ROOF

EXISTING AVG GRADE

OPEN SPACE CALCS

5,000#

1,597#

1,388#

360#

AE 10

CLEARED AREA ALLOWED

PROPOSED CLEARANCE

NET LOT AREA

- 1. ALL FINISH MATERIALS SHALL HAVE A MINIMUM FLAME SPREAD CLASSIFICATION BY FBC
- 2. PARTITIONS TO RUN FROM FLOOR TO UNDERSIDE OF SLABS, JOISTS, OR TRUSSES AND TO CONSIST OF WOOD STUDS AT 16" O.C. WITH 1/2" GYPSUM WALLBOARD ON BOTH SIDES.
- 3. ALL WALLBOARD BEHIND SINKS, LAVATORIES, BATHTUBS, SHOWERS, WATERCLOSETS, AND BIDETS PER FBC RT02.4.2
- 4. CONTRACTOR TO COORDINATE THICKNESS OF ALL PARTITIONS TO ACCOMMODATE MECHANICAL, PLUMBING, AND ELECTRICAL WORK. DIMENSIONS SHOWN ON THE PLANS ARE NOMINAL
- 5. LUMBER USED FOR JOISTS, RAFTERS, COLUMNS, BEAMS, OR OTHER STRUCTURAL MEMBERS SHALL BE OF A STRESS GRADE NOT LESS THAN 1000 PSI NOMINAL EXTREME FIBER STRESS IN BENDING.
- LUMBER USED FOR STUDS IN INTERIOR NON-BEARING PARTITIONS SHALL BE OF A STRESS GRADE NOT LESS THAN 225 PSI NOMINAL EXTREME FIBER STRENGTH IN BENDING.
- 1. LUMBER USED FOR STUDS IN INTERIOR BEARING PARTITIONS SHALL BE OF A STRESS GRADE NOT LESS THAN 625 PSI NOMINAL EXTREME FIBER STRESS IN BENDING.
- 8. ALL WOOD IN CONTACT W/ MASONRY TO BE PRESSURE TREATED.

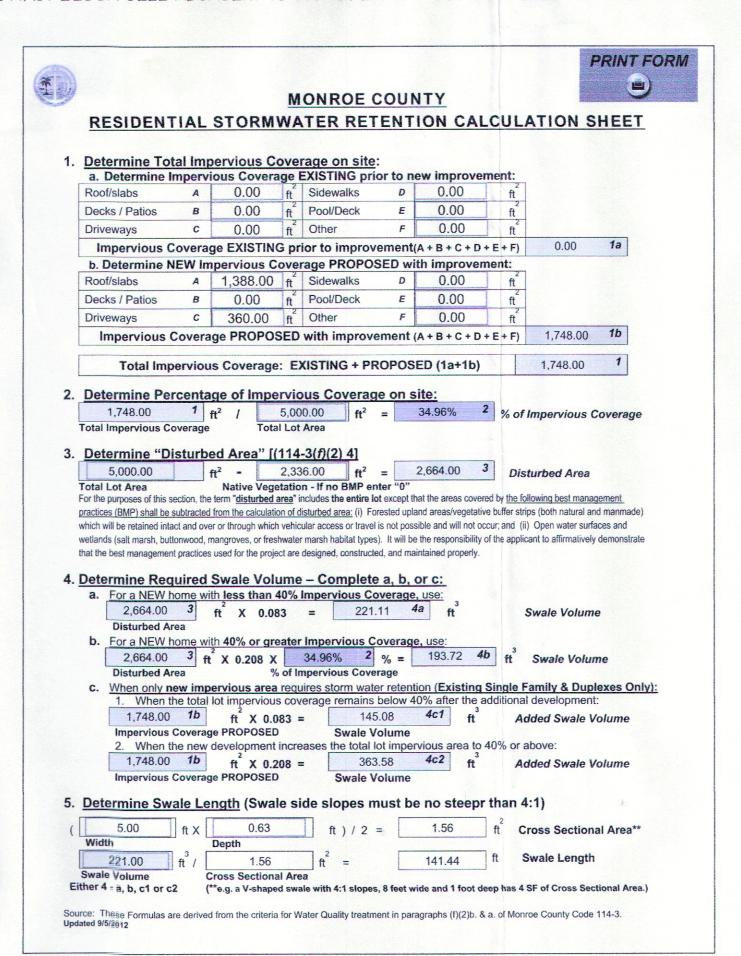
MASONRY

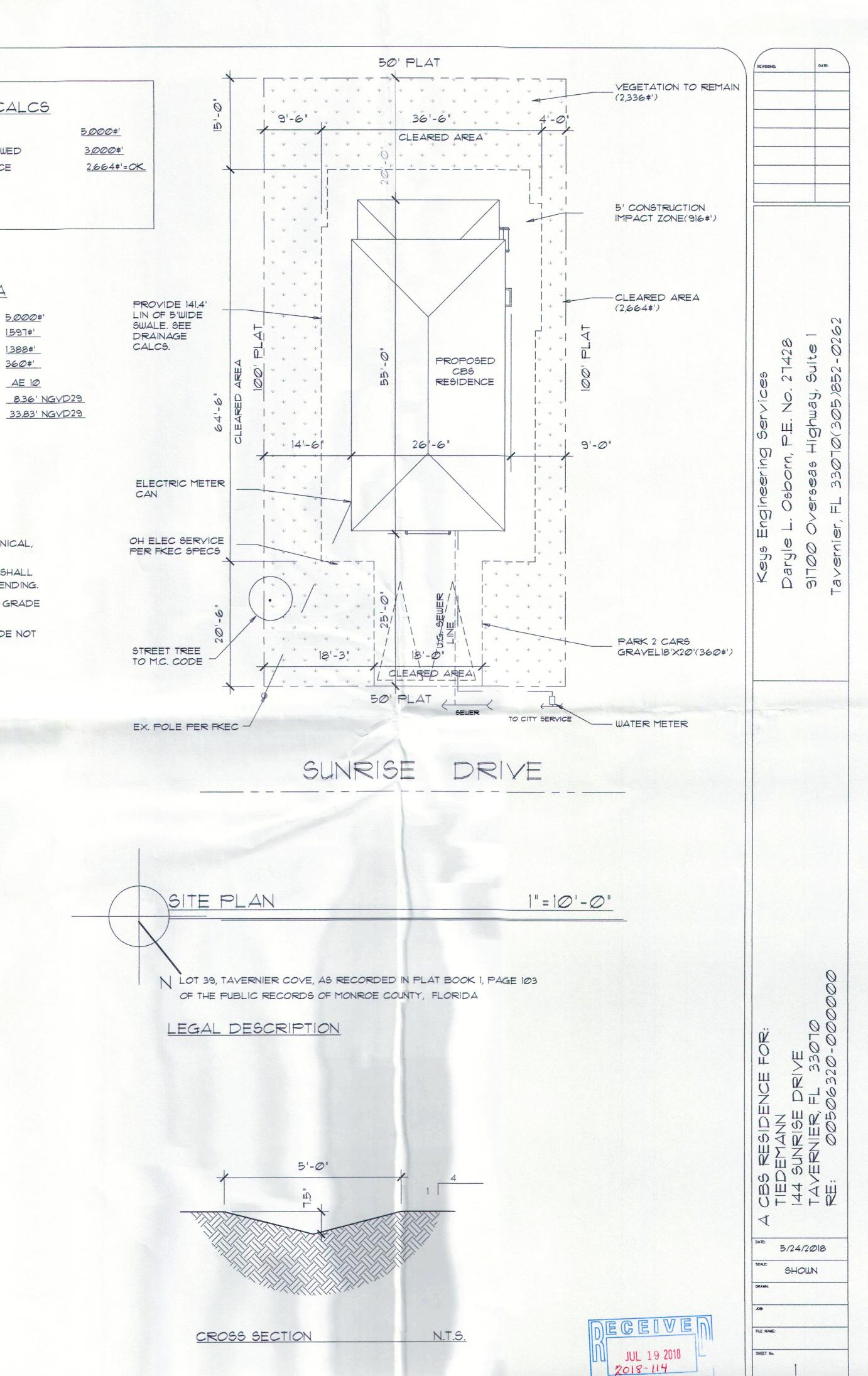
FLOOR 40PSF

BALCONIES 60PSF

PARTITIONS & LUMBER

- 1. CONCRETE MASONRY UNITS (CMU). OR "BLOCKS". SHALL CONFORM TO ASTM C-90 SPECS
- 2. COMPRESSIVE STRENGTH OF MASONRY UNITS SHALL BE NOT LESS THAN FM-1000 PSI.
- 3. ALL BLOCK WALLS SHALL BE LAID IN A FULL BEDDING OF MORTAR WITH A COMPLETE COVERAGE OF THE BLOCK'S FACE SHELL (HORIZONTALLY) AND MOTAR GROOVES (VERTICALLY).
- 4. MORTAR TO BOND BLOCK MASONRY SHALL BE TYPE "M" = 2,500 PSI.
- 5. THE FIRST BLOCK CELL ADJACENT TO ANY OPENING SHALL BE FILLED WITH CONCRETE.





MONROE CO. PLANNING DEPT